

Application Serial No. 10/676,511
Reply to Office Action of October 5, 2004

PATENT
Docket: CU-3385

Amendments To The Claims

The listing of claims presented below will replace all prior versions, and listings, of claims in the application.

Listing of claims:

1. (cancelled)
2. (currently amended) ~~A pigpen structure in which a pig house is divided into a lodging room where a feed bucket is installed, and an evacuation room where a water vessel is installed, a passage is formed on the partitioning walls so that pigs can go in and out the lodging room and the evacuation room, and an evacuation room gate is combined with a column provided between the pig houses to open and close the passage, the pigpen structure comprising:~~
 - a pig house for housing an animal comprising an evacuation room and an lodging room having four walls;
 - an evacuation room gate installed between the evacuation room and the lodging room, wherein the evacuation room is accessible to the animal for excretion when the evacuation room gate is opened, and further wherein the evacuation room gate when closed becomes a part of the four walls;
 - partitioning pipes where partitions partitioning pig houses are horizontally installed in order to feed easily into a feed bucket from a working passage when pigs are bred;

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~~an evacuation room gate installed at a position higher than the ground plane of the lodging room; and~~

~~a urine tube installed on the bottom of the evacuation room, wherein so that the excreted urine in the evacuation room naturally flows down to the urine tube to remove the excreted urine outside the pig house. be collected in an underground urine storage tank located out of the pigpen.~~

3. (currently amended) The pigpen structure of claim 10 ~~claim 2~~, wherein a power cable is laid over the plurality of horizontally running elongated materials ~~the upper side of the partitioning pipes partitioning the pig houses~~, so that pigs the animal cannot cross over the plurality of horizontally running elongated materials ~~pipes~~.

4-5. (cancelled)

6. (currently amended) The pigpen structure of claim 2, wherein a heating pipe is embedded under the bottom surface of the lodging room in the pig house, to ~~thereby~~ circulate hot water for heating ~~to then embody a heating effect~~.

7. (currently amended) The pigpen structure of claim 5 ~~claim 2~~, wherein the lower one of the horizontally running elongated material is a water pipe ~~pipe among the partitioning pipes installed in the front surface of the pig house is used as a water supply pipe for supplying drinking water to the animal.~~ ~~of pigs.~~

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8. (currently amended) The pigpen structure of claim 10 ~~claim 2~~, wherein one of the horizontally running elongated material is a pipe for carrying hot water for heating the lodging room. ~~is circulated through the partitioning pipes enclosing the pig house and one of the pipes is used as a heating hot water circulation pipe.~~
9. (currently amended) The pigpen structure of claim 2, wherein each pig house further comprises an automatic water supply and an emergency water tap ~~are further provided in the~~ connected to a water supply pipe supplying water to the pig houses.
10. (new) A pigpen structure of claim 2, wherein at least one of the walls is made of a plurality of horizontally running elongated materials.
11. (new) A pig pen structure of claim 2, wherein the evacuation room gate is installed to have a clearance from the ground level of the lodging room.
12. (new) A pig pen structure of claim 2, wherein the ground level of the evacuation room is lower than the ground level of the lodging room.
13. (new) A pig pen structure of claim 2, further comprising a excretion sludge vessel connected to the urine tube, wherein the excretion sludge vessel collects solid excretion of the animal separately.
14. (new) The pig pen structure comprising:

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a walking passage; and

a plurality of pig houses for housing an animal installed along the walking passage, each pig house comprising:

- an evacuation room;
- a lodging room having front, back, and two side walls;
- an evacuation room gate installed between the evacuation room and the lodging room, wherein the evacuation room is accessible to the animal for excretion when the evacuation room gate is opened, and further wherein the evacuation room gate when closed becomes a part of the back wall;
- a urine tube installed on the bottom of the evacuation room, wherein the excreted urine in the evacuation room flows down to the urine tube to remove the excreted urine outside the pig house

wherein the plurality of the pig houses are arranged so that the front walls of the pig houses adjoin the walking passage, and

wherein a continuous passage way is formed by the evacuation rooms along the back wall of the lodging room when the evacuation room gates of the pig houses are in closed position.

15. (new) The pigpen structure of claim 14, wherein the front wall of the pig house comprises a plurality of horizontally running elongated material.

16. (new) The pig pen structure of claim 14, wherein the front wall is sloped leaning

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into the lodging room

17. (new) The pigpen structure of claim 14, wherein the ground level of the walking passage is lower than the ground level of the lodging room.

18. (new) The pigpen structure of claim 14, wherein a power cable is laid over at least one of the four walls of the pig house so that the animal cannot cross over the wall.

19. (new) The pigpen structure of claim 15, wherein the lower one of the horizontally running elongated material of the front wall of each pig house form a continuous water pipe for supplying drinking water to the animal.

20. (new) The pigpen structure of claim 14, wherein at least one of the walls include a pipe for carrying hot water for heating the lodging room.

21. (new) The pigpen structure of claim 14, wherein the ground level of passage way created by the evacuation rooms of the pig houses when the evacuation room gate is in the closed position is lower than the ground level of any lodging room.

22. (new) A method of building a pigpen structure comprising:
building a walking passage;
building a plurality of pig houses for housing an animal along the walking

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passage, each pig house comprising:

an evacuation room;

a lodging room having front, back, and two side walls;

an evacuation room gate installed between the evacuation room and the lodging room, wherein the evacuation room is accessible to the animal for excretion when the evacuation room gate is opened, and further wherein the evacuation room gate when closed becomes a part of the back wall;

a urine tube installed on the bottom of the evacuation room, wherein the excreted urine in the evacuation room flows down to the urine tube to remove the excreted urine outside the pig house

wherein the plurality of the pig houses are arranged so that the front walls of the pig houses adjoin the walking passage, and

wherein a continuous passage way is formed by the evacuation rooms along the back wall of the lodging room when the evacuation room gates of the pig houses are in closed position.